



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

046  
G-15d  
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In re Application of: Ari HEIKKINEN

SERIAL NO.: 09/871,086

EXAMINER:

FILING DATE: 5/31/01

ART UNIT:

TITLE: METHOD AND APPARATUS FOR IMPROVED VOICING  
DETERMINATION IN SPEECH SIGNALS CONTAINING HIGH LEVELS  
OF JITTER

ATTORNEY DOCKET NO.: 456-010392-US(PAR)

The Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

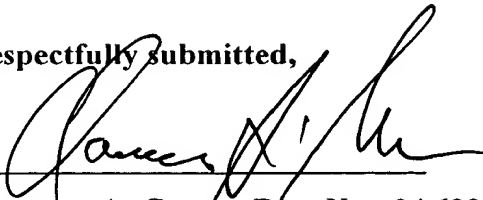
The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

This Information Disclosure Statement is being filed within three months of the filing date of the above-identified patent application. Thus, a certification under 37 CFR 1.97(e) or fee under 37 CFR 1.17(p) is not required for the information herein to be considered.

Applicant's attorney encloses a copy of "Multiband Excitation Vocoder", Griffin et al., IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. 36, No. 8, 1998, pages 1223-1235, which was cited in the specification of the above-identified application.

A copy of the cited reference is enclosed together with PTO-Form 1449.

Respectfully submitted,



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2 July 01  
Date

### CERTIFICATE OF MAILING

I hereby certify that the attached Information Disclosure Statement, PTO-Form 1449 and reference are being deposited with the United States Postal Service as first class mail on the date shown below in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

2 July 2001  
Date

Deborah J. Clark  
Name of Person Making Deposit